MMMonVHF Newsletter No. 21/ WEEK 21 2014

Hallo dear MMMonVHF friends,

please find below our latest NEWSLETTER from the VHF-DX-Portal
"Make More Miles on VHF" (www.MMMonVHF.de), dated 2014-05-22
We try to distribute our Newsletter, once a week on thursday;
if any special activity will make it necessary
we will inform you with Breaking News or a Special NL-Edition.
For further details please be so kind and look at our "News"-page
http://www.mmmonvhf.de/latest.php - you are welcome for any
input and we hope you will enjoy the VHF-DX-Portal MMMonVHF!

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Latest NEWS and INFO for the NEWSLETTER
MMMonVHF The VHF-DX-Portal
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Canadian Hams will try to cross the Atlantic on 144 MHz

Canadian Hams Attempt to Cross the Pond on Two Meters

16 March 2014

For Immediate Release

A group of Amateur Radio operators from Atlantic Canada will operate from Pouch Cove, Newfoundland, from 4-12 July 2014 in a bid to complete a 2 meter Trans-Atlantic QSO and claim the Brendan Trophy.

The expedition will operate from Maidenhead Grid GN37os on 144.155 MHz. It will run 750 watts into a 30 meter long rope yagi with a gain of more than 23 dB over a dipole. The group will concentrate its efforts on JT65B, a digital mode that offers greatly enhanced performance over more conventional modes. It will have the capability to use other modes including CW and SSB if conditions warrant however. The callsign used will be VC1T.

Members of the expedition include Fred Archibald, VE1FA, Roger Sturtevant, VE1SKY, Helen Archibald VA1YL, Rich Pieniaszek, VA1CHP, and Al Penney, VO1NO. The Brendan Trophy is a series of awards offered by the Irish Radio Transmitters Society to the first Amateur Radio operators to complete a 2 meter Trans-Atlantic QSO.

Details on the expedition can be found on the team's website www.brendanquest.org. Real time information on operating modes and schedules will be posted during the expedition on the team's web site, the ON4KST site and the G4CQM Shoutbox. Facebook users are also welcome to join the group's page "Brendan Quest 2M meterTrans-Atlantic Attempt 2014.

Background Information:

2014 Transatlantic Two Meter "Brendan Quest" Objectives:

1. Complete one or more legal, confirmed, two-way QSOs between North America and Europe on the Amateur Radio 2 meter band using terrestrial propagation modes;

2. Complete such contacts using both "traditional" (CW or SSB) and "non-traditional" (JT65B or ISCAT) modes;
and;

3. Failing the above, to be heard in Europe.

Operators (North America): Fred Archibald VE1FA; Helen Archibald VA1YL; Al Penney VO1NO; Rich Pieniaczek VA1CHP; Roger Sturtevant VE1SKY.

Operation: 4 to 12 July 2014.

Call: A special event callsign will be used - VC1T.

Frequency and Modes: 144.155 MHz +/- 20 Hz operating 24 hours a day for the entire period, transmitting full legal power on even minutes and receiving on odd minutes using JT65B. Other modes may be attempted as required. Audible transatlantic JT65B reception and QSO will be followed by a CW attempt.

North America QTH: Pouch Cove, Newfoundland, Canada.

Latitude 47.76942 North, Longitude 52.76384 West

Elevation: 65 feet (20 meters) above sea level.

Grid Square: GN37os.

IOTA island NA-027.

Antenna height is 85 feet (26 meters) above sea level on a bluff on the edge of the Atlantic. There is no land between the transmit location and Europe through bearing range of 013 to 108 degrees
True. The transmit location is 3040 km from Irish coast, 3400 km from Poldhu, and 23 km from Marconi's
1901 reception site.

Antenna: Horizontally polarized "rope ladder" Yagi, with 43 elements consisting of 1 reflector, 1 driven
element and 41 directors, suspended and aligned on 2 strands of Kevlar rope 65 cm apart. Its overall length
is 30 meters. Because the ground slopes towards the ocean, the height of the antenna varies from 6 meters
above ground at the reflector, to 8.5 meters at the opposite end. Its feedpoint impedance is 50 ohms, and
it will employ a ferrite choke balun. The SWR is 1.1 to 1.2. Forward gain is 23.9 dB over a dipole. The
front to back ratio is 32 db, while the front to side ratio is greater than 25 db (270 degrees). The take off
angle of the main lobe is 4.5 degrees. The beamwidth is 15.6 degrees at the -3db points, and beam thickness
is 4.7 degrees at the -3db points. When driven with 750W, the Effective Radiated Power in the center of the
major lobe should be about 150kW.

Antenna coverage in Europe at -3db points: Based on an antenna azimuth of 062 degrees True and a beamwidth of
15.8 degrees at the -3db points, the antenna beam width will be 069 degrees to 054 degrees True, so straight
line propagation will cover all Ireland, UK, and parts of Norway, France, and Holland. Of course propagation
paths may be skewed.

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HOT 144 MHz MS & EME DX-PEDITION NEWS - Pse do use:
http://www.mmmonvhf.de/latest.php
and use the FILTER for your personal wishes!
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YT0PUPIN is from 2014-01-01 - 2014-12-31 QRV from Yugoslavia KN05, 2m

UA1ZFG/1 is from 2014-04-22 - 2014-06-01 QRV from Russia, KO46ua, 2m, TR, MS

6W/PE1L is from 2014-05-09 - 2014-05-24 QRV from Senegal IK14jp, 2m, 70cm and 23cm EME

4O/PA2CHR is from 2014-05-16 - 2014-05-19 QRV from Montenegro JN92, 4m, 2m, MS, ES, TR

Z3/PA3FPQ is from 2014-05-21 - 2014-05-26 QRV from Macedonia KN11, 2m, 4m,6m, EME, TR, MS,ES

N4M is from 2014-05-21 - 2014-05-27 QRV from US Virgin Islands FK77, 2m EME, TR, MS

ZA/PA2CHR is from 2014-05-31 - 2014-06-05 QRV from Albania JN91, 6m, 2m, EME, MS, ES, TR

OZ9KY is from 2014-06-22 - 2014-06-25 QRV from Denmark JO57GG 2m EME

IT9/ON7ARQ is from 2014-06-10 - 2014-06-26 QRV from Sicily Island JM67 - JM68, 6m, 2m 70cm

J38DR is from 2014-06-19 - 2014-07-02 QRV from Grenada FK92, 6m

SM4IVE is from 2014-06-30 - 2014-07-18 QRV from Norway, Sweden and Finland, JP54-JP55-JP66-JP76, (6M) 2m MS

VC1T is from 2014-07-04 - 2014-07-12 QRV from Canada, GN37OS, 2m tropo

KG7HF is from 2014-07-05 - 2014-08-25 QRV from Panama and Colombia, 6m, 2m , 70cm EME

KH8/W7GJ and KH8/ZL1RS are from 2014-07-13 - 2014-07-28 QRV from American Samoa AH45, 6m and 2m EME

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Latest V/U/SHF DX-PEDITION NEWS and EVENTS - Pse do use:
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and use the FILTER for your personal wishes!
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** DEADLINE for your NEWS input to MMMonVHF**

... for your News (pse use: http://www.mmmonvhf.de/newsuser.php)
to the next MMMonVHF Newsletter will be next wednesday 22.00 UTC ...

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The VHF-DX-Portal MMMonVHF - Newsletter Credits & Info
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Our Newsletter is compiled from the input of the USERS of the
VHF-DX-Portal MMMonVHF and as well by a lot of free usable
HF-V-U-SHF-Info-Sources (named as SOURCE at the NEWS) and chats
like ON4KST-, RU-VHF-DX-Net, EA-V-U-SHF-Chat, N0UK-Chat and others.

** Many thanks to all our USERS who did send us info and news **

Wherever we found the info we always indicate the source of the
info. If you get knowledge of an expedition, which is NOT listed
at our VHF-DX-Portal MMMonVHF or if you have additional info for
an expedition, PLEASE be so kind and send us this info at:

** www.mmmonvhf.de/newsuser.php or www.mmmonvhf.de/contact.php **

The MMMonVHF-Team is always trying to spread any expedition info
as much up-to-date and reliable as possible and as long as the
info does not violate with our MMMonVHF-Policy ...

Have a lot of fun and enjoy the VHF-DX-Portal MMMonVHF!

73 de Lins PA3CMC
on behalf of the MMMonVHF-Team

DG2KBC DK3XT DK5EW DK5YA DL8EBW HA5CRX

IV3NDC OZ1LPR PA2DW PA3BIY PA3CMC & PA4EME